

# SEU and Beyond Einstein Education and Public Outreach Strategic Plan Initiative

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# OSS' Approach in Promotion of E&PO Is Being Revised

- Knappenberger Report to SScAC 3/03
  - Commissioned by OSS to review E&PO progress since FY-96
- Creation of Code N (ongoing), and attendant new thrusts
- OSS Education Council Discussion 5/03
- OSS plan to develop a new framework for E&PO to evolve over the next several years

# Knappenberger Report Concerns

- OSS needs a road map to align Space Science curriculum strands to national standards for K-12. (Framework Initiative)
- Make products more accessible and organize them to omit overlap that was pervasive.
- Products must be tied to underlying science questions that then relate to national educational standards. (More thorough review of products needed).
- Mission products will conform to more general science themes

# Knappenberger (Continued)

- Expand quality control efforts and tracking of impacts.
- Broker/facilitators will need to focus on primary roles
- Increase communication with professional societies, and especially minority professional societies
- Expand professional development for E&PO professionals

# Code N (Office of Education)

- Organization is still evolving but strategic goals for a 10 year plan have been produced and OSS plans will need to conform/adjust.
- OSS E&PO has many positive elements that will serve as a model for other enterprises. (We are 5 years ahead of most others).
- Concerned about scientific literacy of general public as well as those in school.
- Initiatives currently include STEM program (pipeline), Educator Astronauts, Explorer Schools & Explorer Institutes

# OSS Education Council

## 5/03, Annapolis, MD

- Biggest challenge will be in developing a new framework and making the transition.
- 6 years of E&PO have built momentum. But we need to focus and re-align to standards recognized in the education field.
- Many OSS materials are not well suited to classroom, especially at K-12 level. Products should be less divergent and more cohesive.
- Challenge will be to convert mission content to a standards driven content for all future OSS activities.

# Space Science Education Framework

- Goal is to enable teachers to use space science materials within a coherent framework. (Mission focus confuses teachers whose lesson plans must align with local, state or national standards).
- Framework development timeline includes appointment of planning, development, and implementation groups with expected product in 18 months.
- They will not be encumbered by activities that already exist...fresh look required.

# So What Does this Mean for SEU and Beyond Einstein?

- We have an opportunity to be the vanguard effort under the new paradigm.
- This will require a look at what we have and where we need to be (Gap analysis).
- We have some time on our side to get it right.
- Two elements: Transitional and End states
  - The transformation will be the higher hurdle



# Plan of Attack

- Initial strategy workshop will be held near Goddard involving a cross section of mission, forum, broker and SEU Theme personnel.
- Probable follow-on sessions with wider group to develop the strategies for the two elements.
- Presentation and coordination with SEUS planned.
- Non-Advocate review also planned to include persons involved with Knappenberger report, Code N plans and policy, the Framework group and a non-SEU Forum co-chair.

# Final Deliverable

- Expect that E&PO strategy will take 6-8 months (to obtain consensus and succeed through a review process). This may extend depending on progress of other efforts running in parallel.
- Final product will then be presented to Anne Kinney, Paul Hertz and Jeff Rosendhal.
- SEU and BE programs will have an E&PO road map that will have had thorough discussion and review.
- Comments are most welcome.